IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#6 MB 09/17/01

In re Application of: Lin

Group/Art Unit: 1646

Serial No.: 09/535,814

Examiner: M. Brannock

Filed: March 28, 2000

For: Method For Fabricating An Olfactory Receptor-Based Biosensor

Attorney Docket No.: 64,600-024CIP

Certificate of Mailing

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Kathy Dixon

Date: August 31, 2001

SUBMISSION OF SEQUENCE LISTING

Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

Enclosed herewith is a paper copy of the sequence listing further to the request dated July 5, 2001. Also enclosed is a copy of the sequence listing in computer readable form. Both the content of the paper and the computer readable copy are the same and include no new matter.

A one-month Extension of Time is being filed concurrently herewith to respond to the sequence listing request.

Respectfully submitted,

TUNG & ASSOCIATES

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RWT\kd

Odorant/Olfactory Receptor Sequence of *Canis familiaris*
(SWISS-PROT:P30955)

MTEKNQTVVS EFVLLGLPID PDQRDLFYAL FLAMYVTTIL GNLLIIVLIQ LDSHLHTPMY
LFLSNLSFSD LCFSSVTMPK LLQNMQSQVP SIPYAGCLTQ MYFFLFFGDL ESFLLVAMAY
DRYVAICFPL HYTTIMSPKL CFSLLVLSWV LTMFHAVLHT LLMARLCFCA NTIPHFFCDM
SALLKLACSD TQVNELVIFI MGGLILVIPF LLIITSYARI VSSILKVPSA IGICKVFSTC
GSHLSVVSLF YGTVIGLYLC PSANNSTVKE TIMAMMYTVV TPMLNPFIYS LRNKDMKGAL
RRVICRKKIT FSV

Amino acids: 330
Molecular weight: 35197 dalton

SOURCE:
G protein Coupled Receptor DataBase (GPCRDB)
(*http://receptor.Mgh.Harvard.Edu/GCRDBHOME.Html*)

Transmembrane of olfactory receptor protein of *Canis familiaris* (dog):